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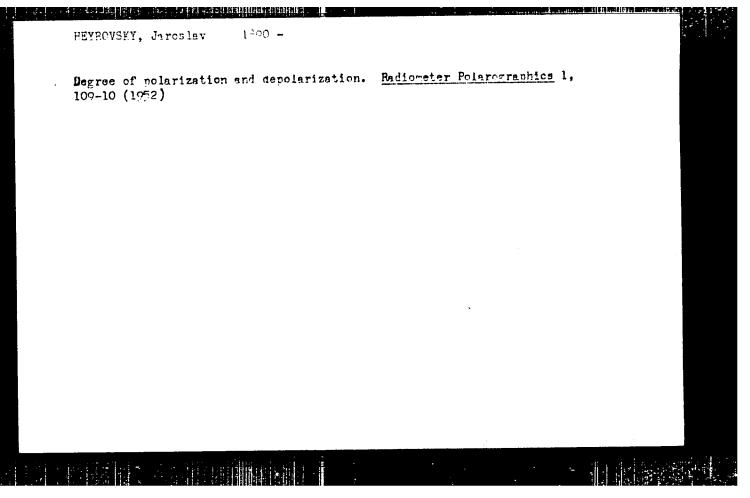
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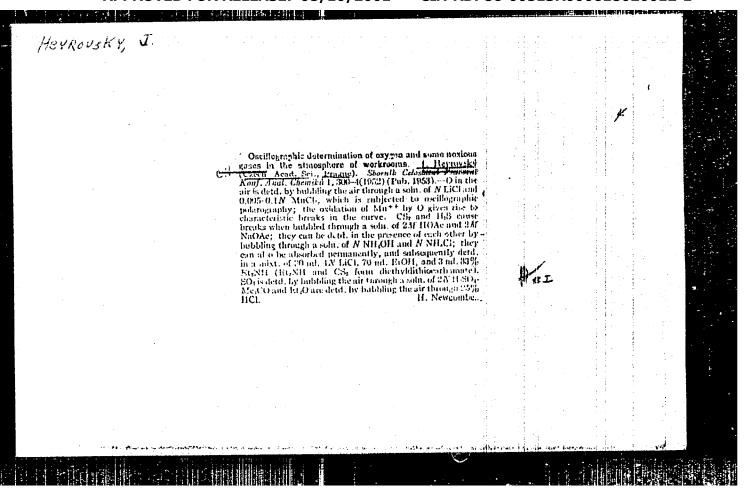
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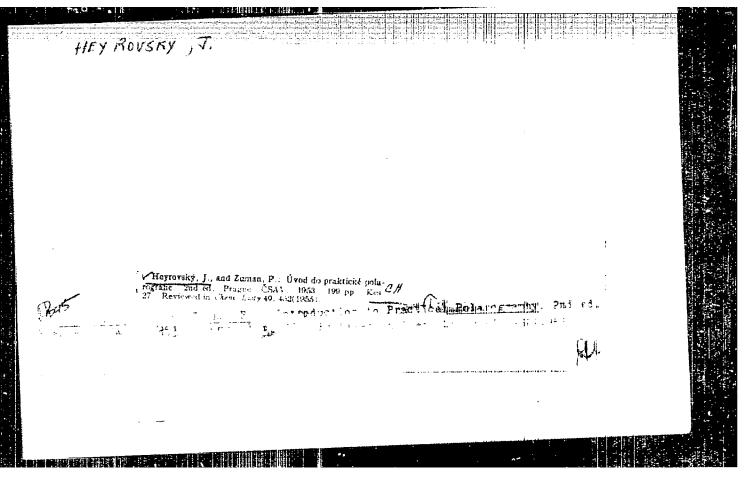


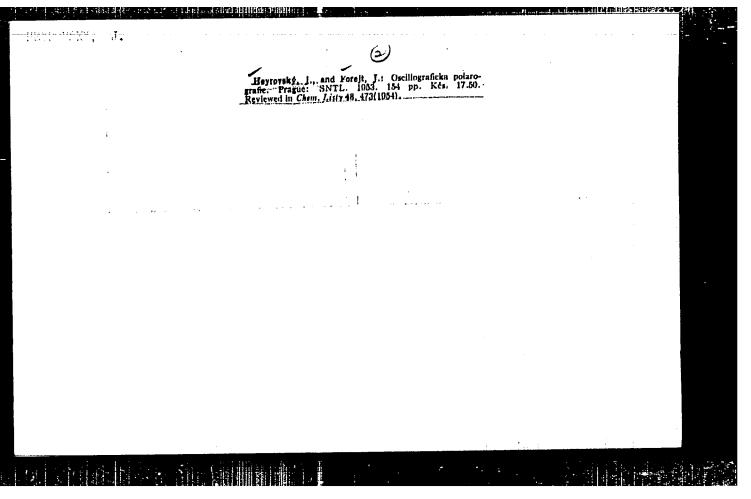


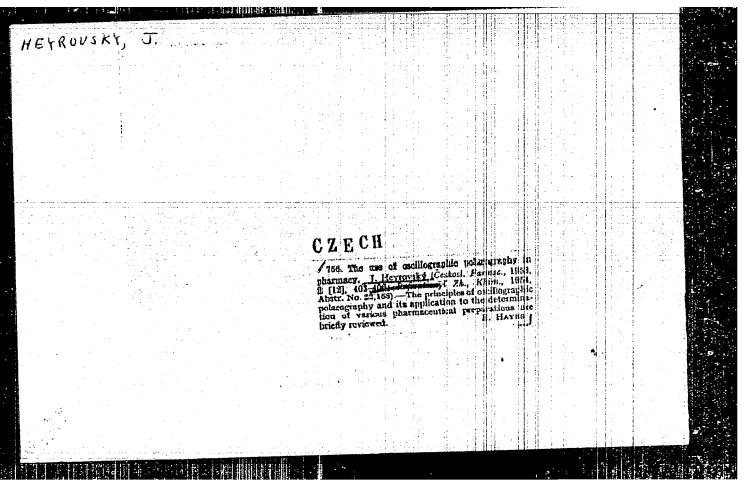
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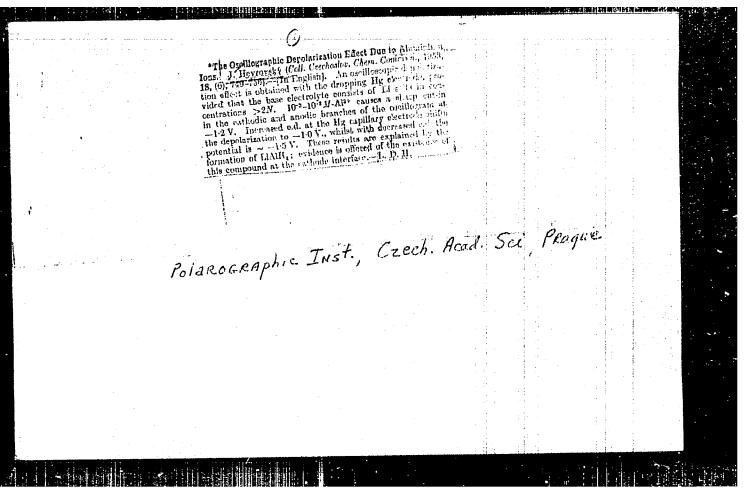
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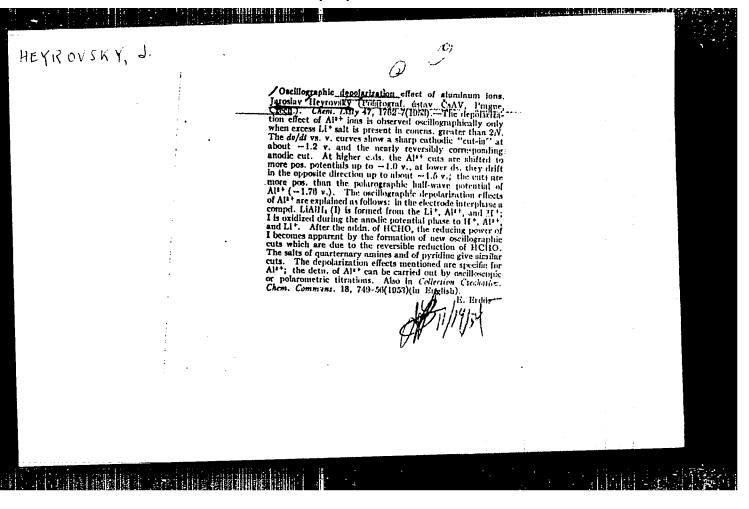
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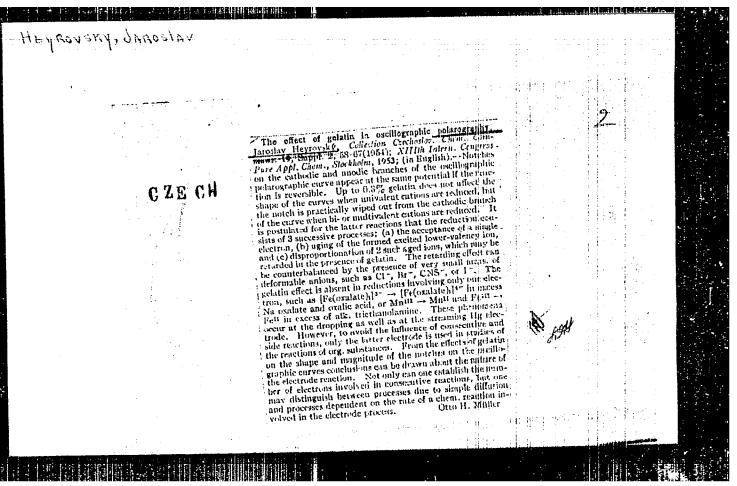
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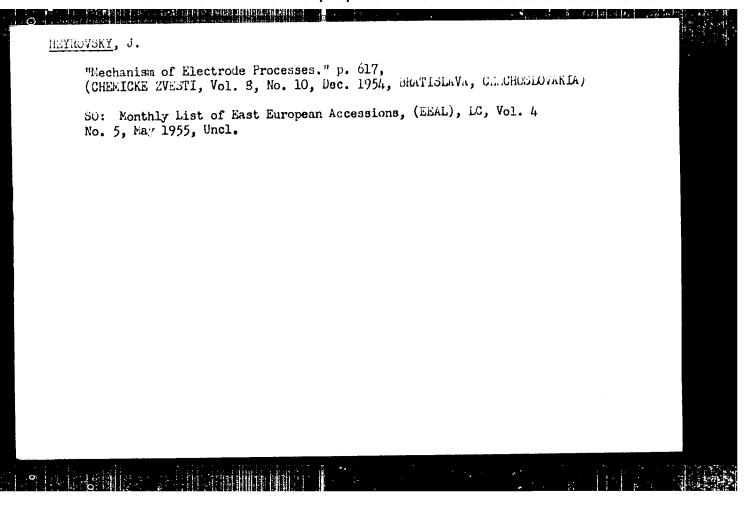
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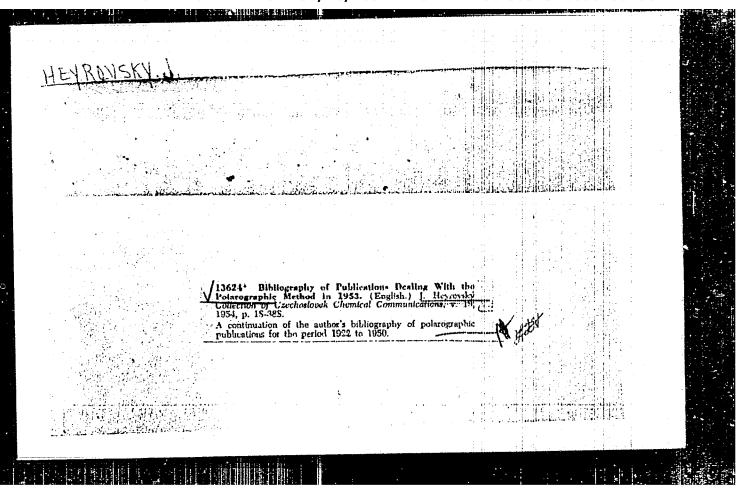
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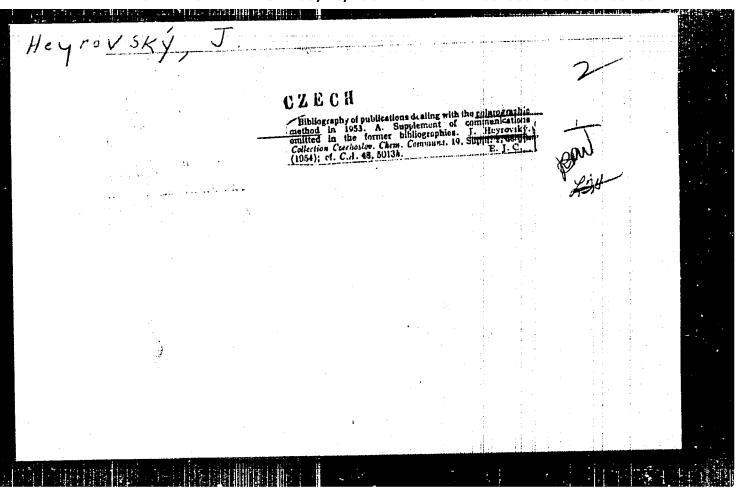
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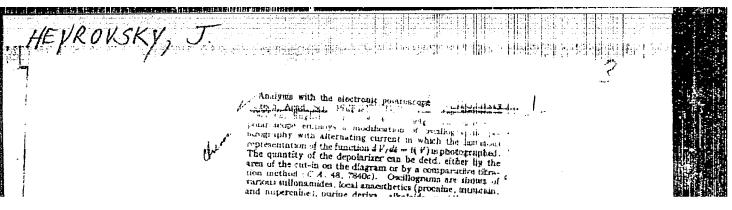
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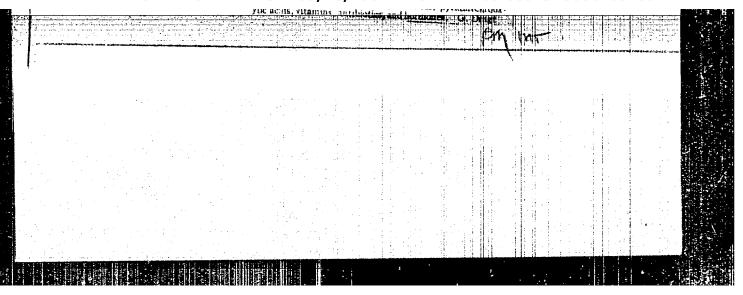


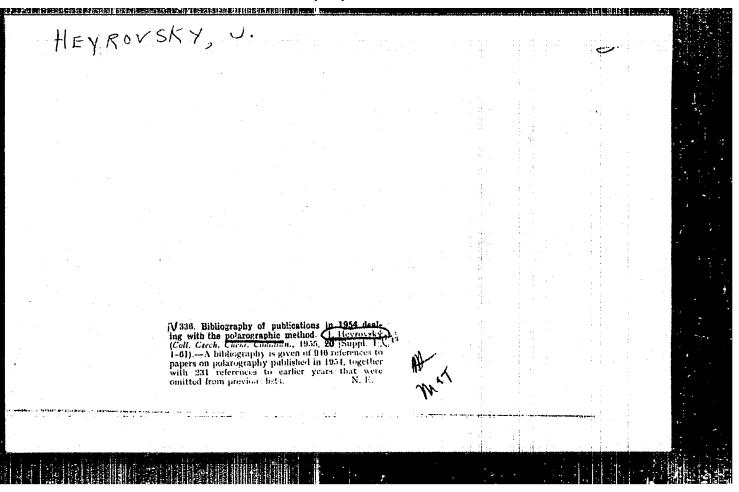
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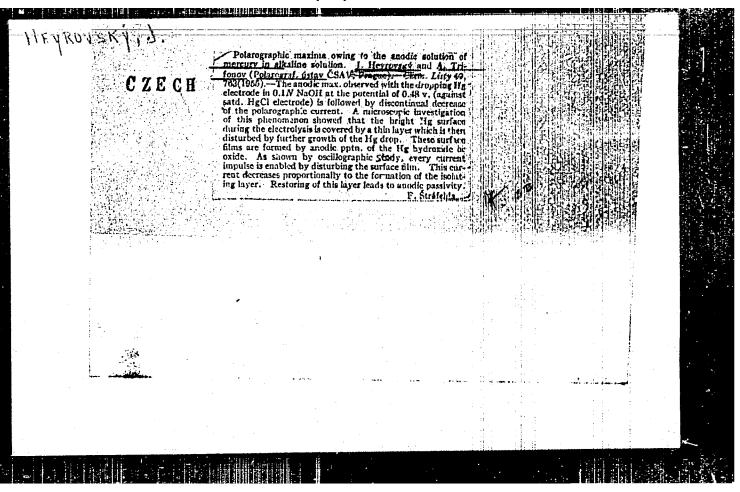


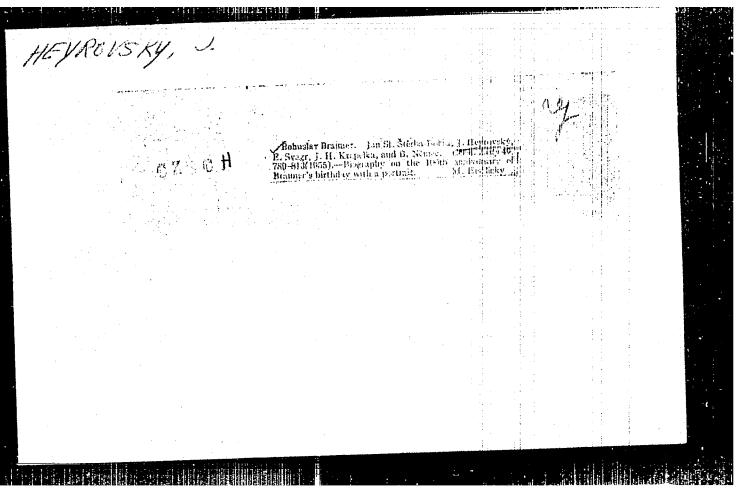


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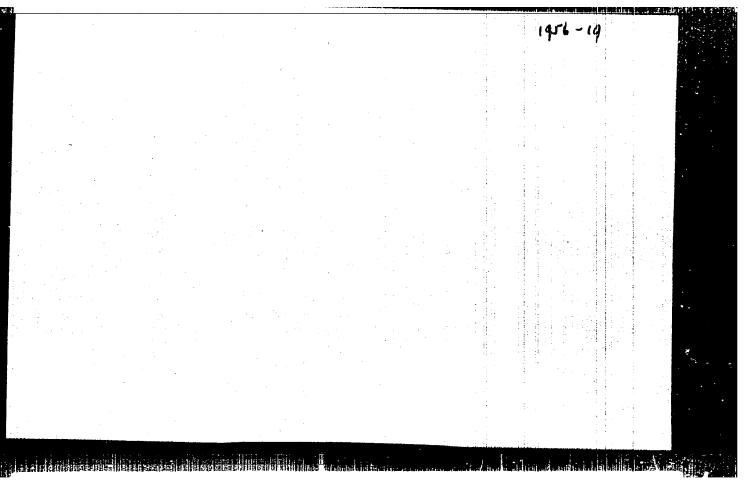
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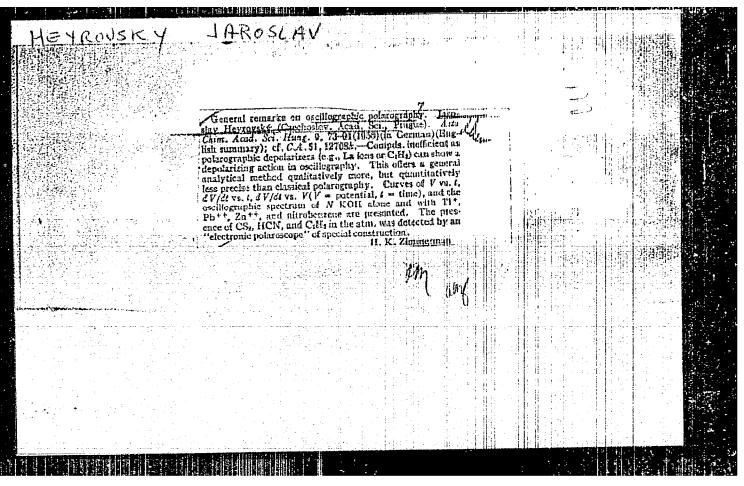
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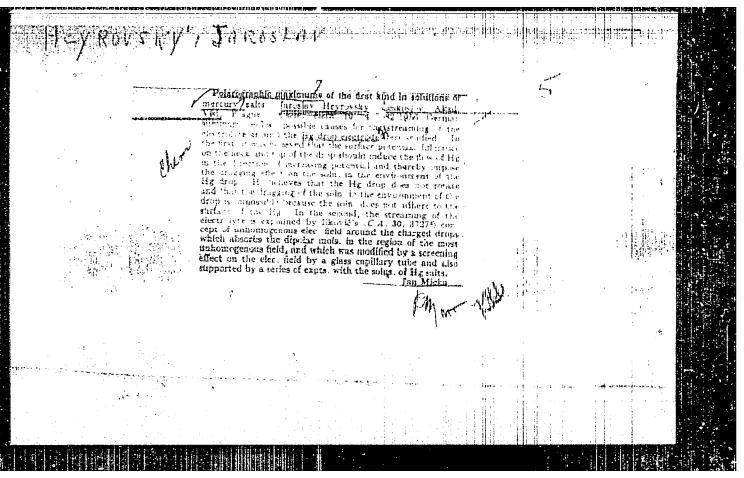
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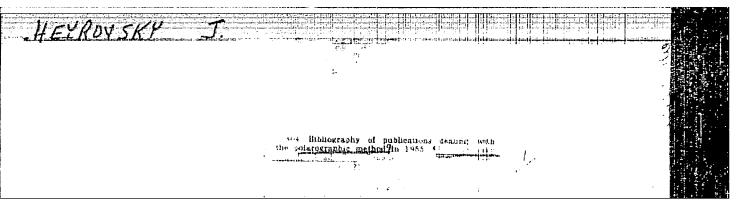
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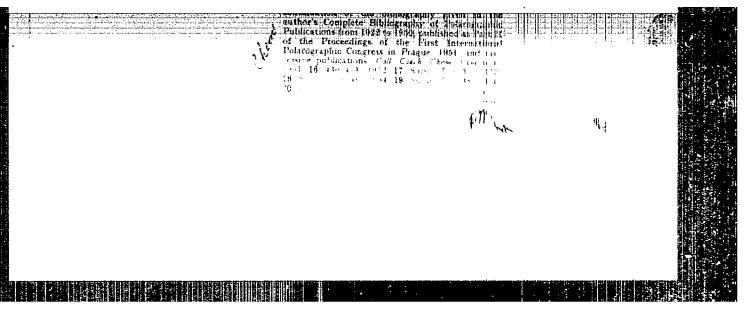
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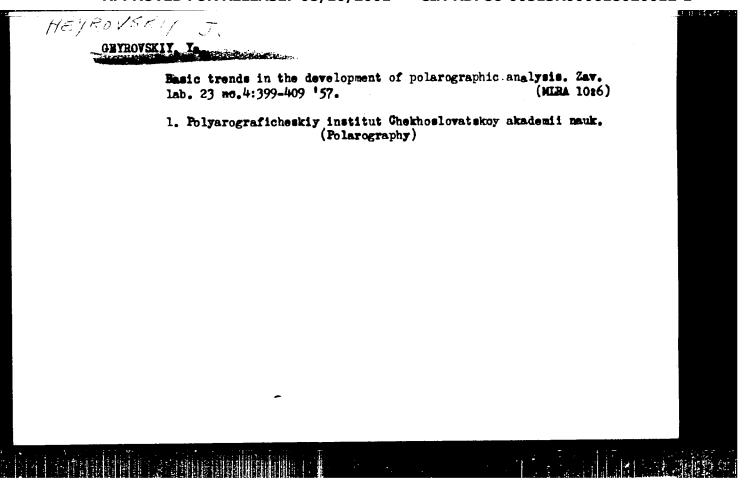
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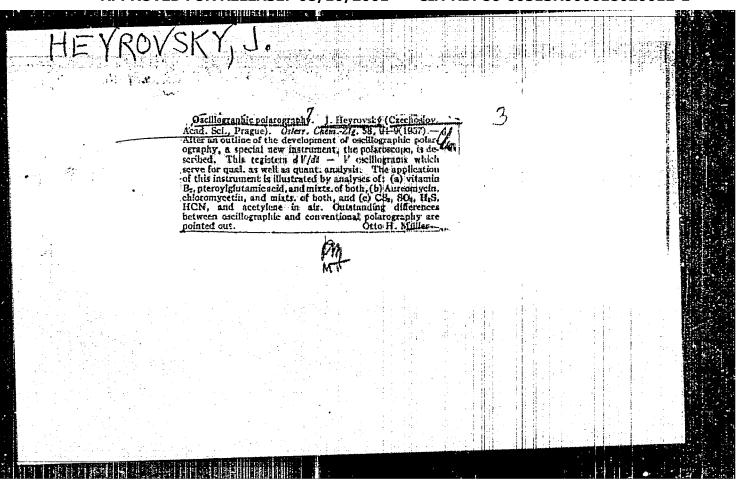
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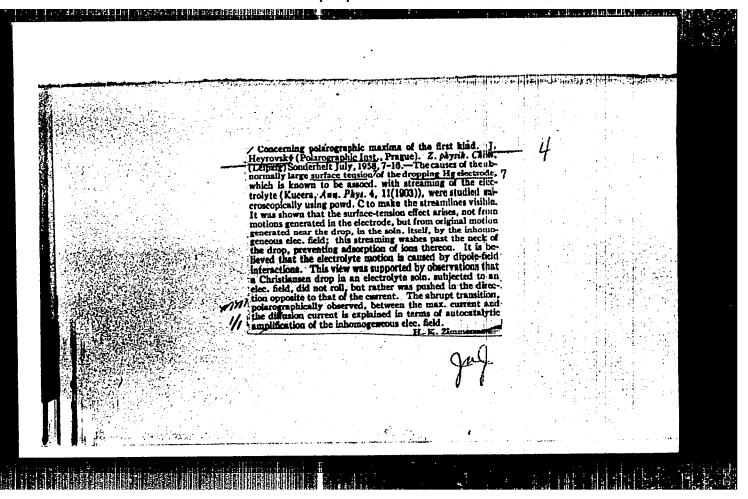
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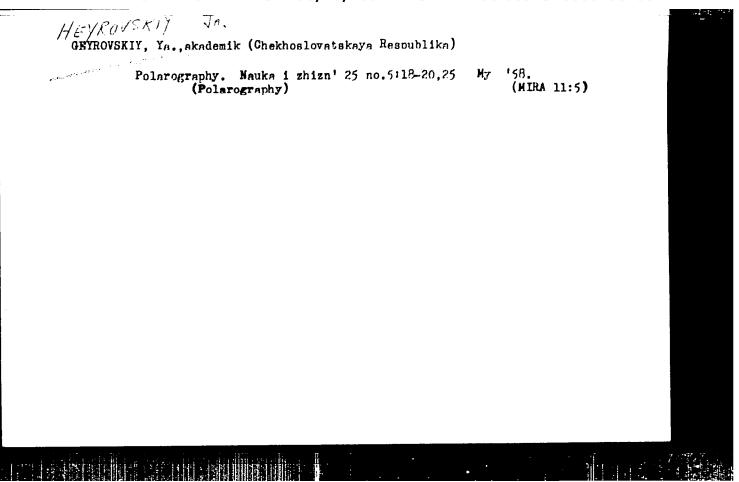
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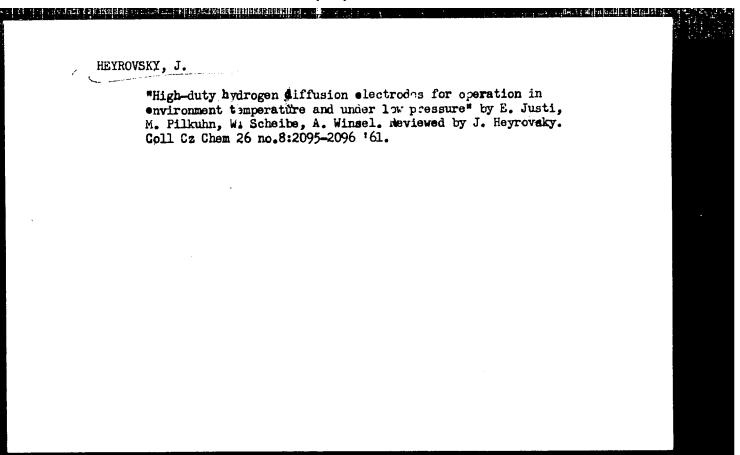
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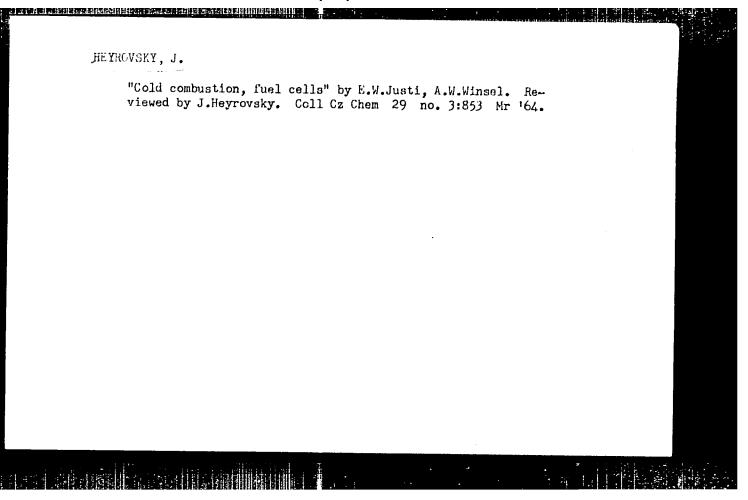


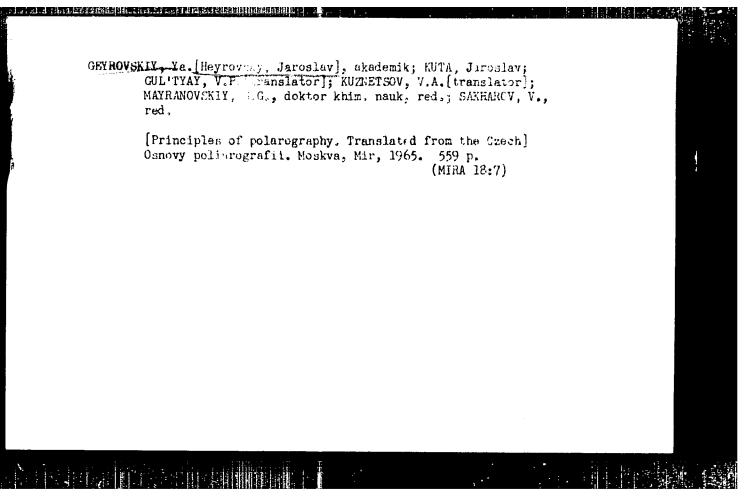
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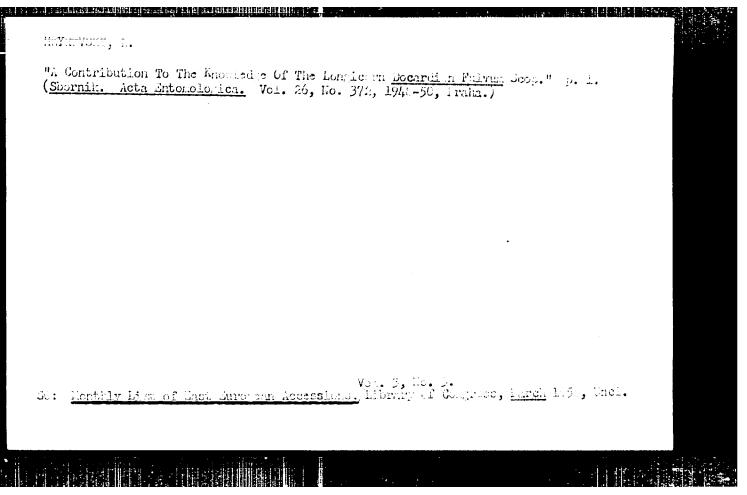
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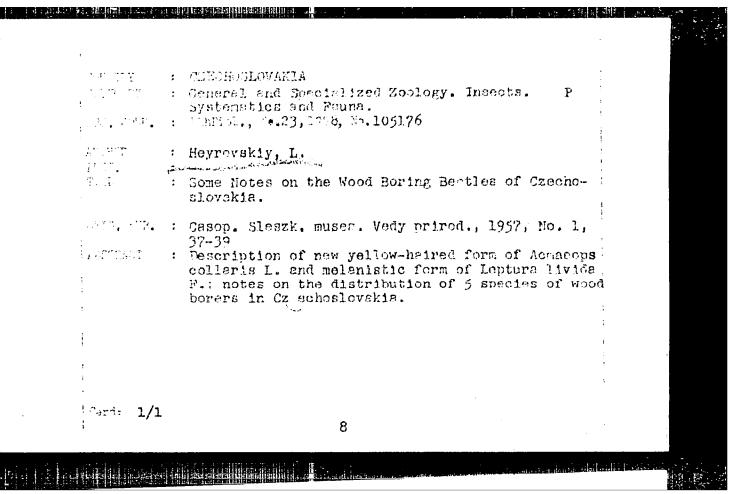
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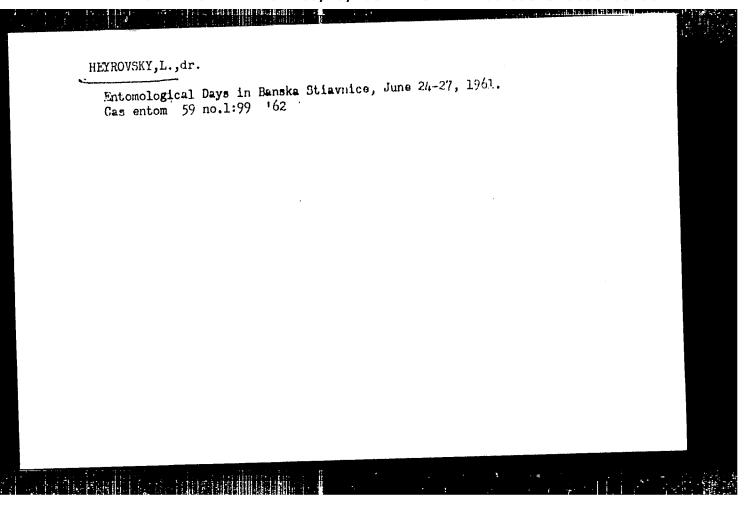
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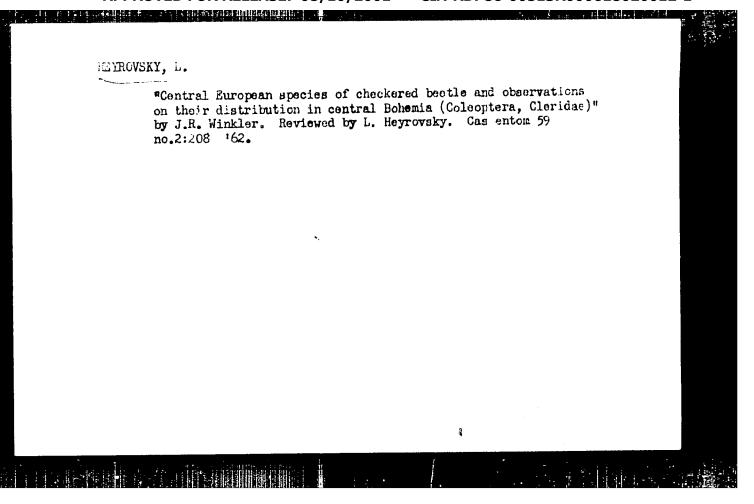
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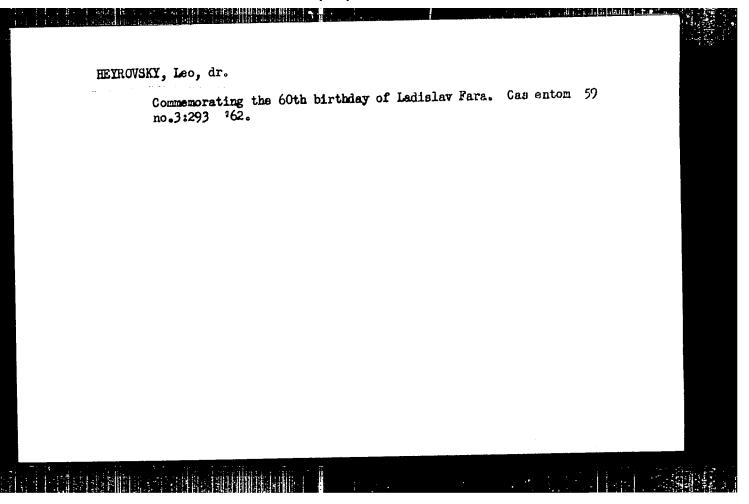
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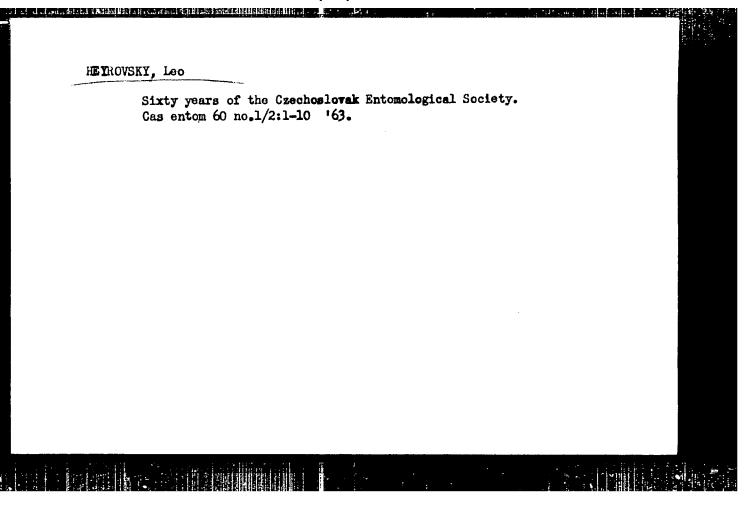
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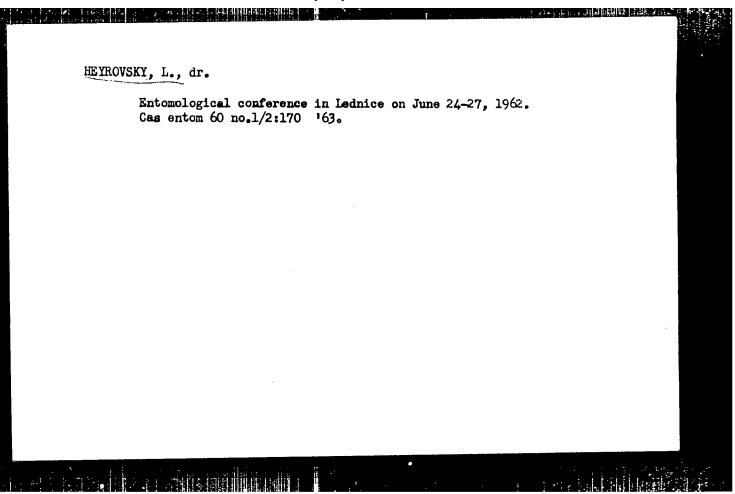








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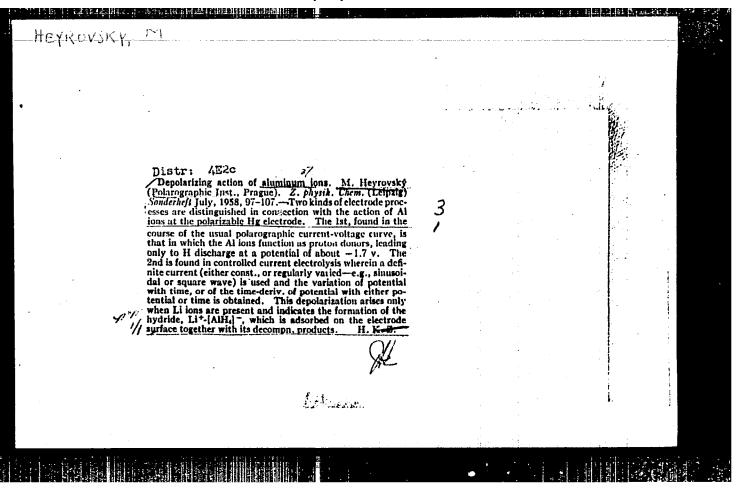
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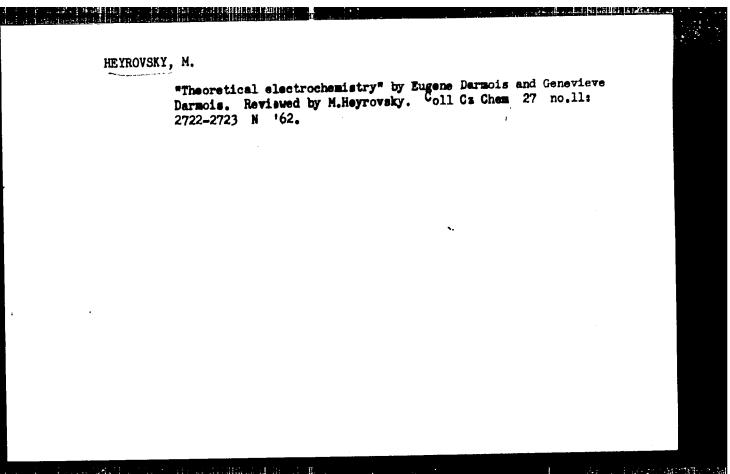
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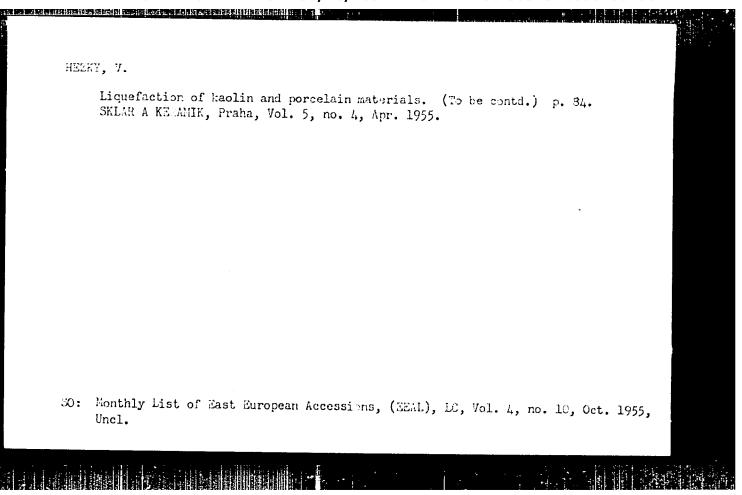
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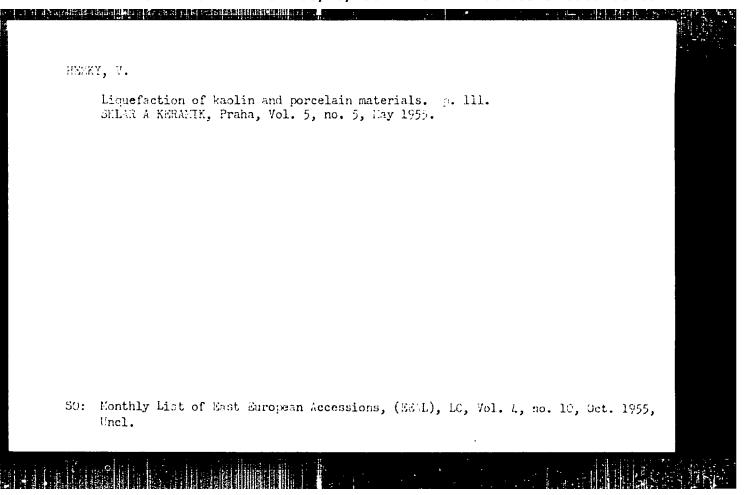
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Abs Jour: Referat Zh.-Kh., No 8, 1957, 27713.

Author : V. Hezky.

Title : Tunnel Kilns and Their Use.

Orig Pub: Sklar a keramik, 1956, 6, No 9-10, 234-242.

Abstract: An historical review of the development of the construction of tunnel kilns (TK) starting from the appearance of the first TK in France in 1751 is given. Special attention is paid to the question of heating, the work of burners and the distribution of temperatures within the volume and in the cross-section of TK-s. Known data concerning refractory materials for the lining of TK-s are related. TK-s with electrical heating are kilns of the future, but the temperature of burning in them does not exceed 1450° (usually 1300 to 1350°) so far. Bibliography with 32 titles.

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: Dilution of China Mass with Optimum Amount of Water. Title

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: The content of water in china masses (M) often proves to Abstract

be 32 to 36% at the checking of the mass quality at china ware factories in Czechoslovakia, while according to the norms of the technological process it should be 30%. An amendment of the dilution by the addition of alkaline diluents (D) and protection colloids, of liquid glass in particular, allows to decrease the moisture in the M and

to make the casting process easier. Experiments were car-

ried out to match the D-s for china M (## by weight):

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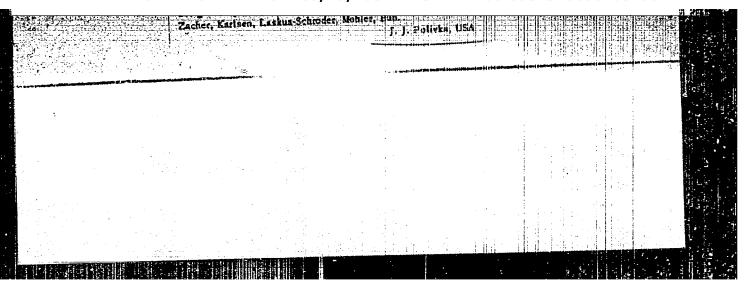
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> kaolin - 42.1, silica - 14.6, felspar - 34.7, china shards - 8.6. The viscosity of the M was determined at the matching of the D-s (by measuring the rate of its outflow, 100 mlit per sec.) and the rate of the shard arrangement following the plaster-of-Paris mould was determined also. Using combined D-s consisting of soda, ammoniac gum and citric acid with an addition of liquid glass, the water content in the M was successfully decreased to 25 or 26%, while the arrangement of shards following the mould was carried out rapidly without appearance of cracks and creases. It is recommended to use a combination of D-s matched for every batch of the M depending on its composition and peculiarities.

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